

**PLAINTIFFS' SECOND AMENDED EXHIBIT LIST**  
*UMG RECORDINGS, INC., et al., v. GRANDE COMMUNICATIONS NETWORKS LLC*  
 Civil Action No. 1:17-cv-00365-DAE-AWA

PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
1	RC-D_00000001	RC-D_01350635		Hard drive containing RC-D001: Rightscorp infringement notice files	X				
2				Summary Spreadsheet of RC-D001: Rightscorp infringement notice files	X				
3	RC-D_01350636	RC-D_01410446		Hard drive containing RC-D002: Rightscorp downloaded audio files (.mp3)	X				
4				Summary Spreadsheet of RC-D002: Rightscorp downloaded audio files (.mp3)	X				
5				Rightscorp excel file containing data for downloaded audio files (produced 2/27/19)	X				
6				Thumb drive containing Grande notice files (.txt) in fullnoticeoutput.zip file (received on 7/9/18 from Defendant)	X				
7				Summary Spreadsheet: Grande notice files (.txt)	X				
8	GRANDE2551078	GRANDE2551532		Grande PDF file listing Forwarded Emails	X				
9	GRANDE2551790	GRANDE2551790		Grande CSV file listing Infringement Notices	X				
10	GRANDE2542672	GRANDE2551077		Grande excel file listing CSG/OSG letters sent to Grande Customers between 12/30/13 and 5/20/18 (Letters Database)	X				
11	RIGHTSCORP 00003842	RIGHTSCORP 00004868	2/26/13 - 8/9/16	Compilation of Repeat Infringer Notifications and corresponding attachments	X				
12				Summary Spreadsheet: Repeat Infringer Notifications and corresponding attachments	X				
13	RIAA_00000003	RIAA_00041198		Audible Magic match output files (.xml)	X				
14				Summary Spreadsheet: Audible Magic match output files (.xml)	X				
15				List of works in suit with corresponding counts of audio files matched by Audible Magic (ECF 172-12)	X				
16				List of works in suit with corresponding audio files matched by Audible Magic (ECF 172-12)	X				
17				Hard drive containing Rightscorp Source Code File (Java Source Code, produced 8/8/18)	X				
18				Rightscorp Source Code file (RC-D004)	X				
19				List of Universal plaintiffs' works in suit		X			
20	Various Bates ranges			Compilation of copyright registration documentation for Universal plaintiffs' works in suit	X				
21				List of Sony plaintiffs' works in suit		X			
22	Various Bates ranges			Compilation of copyright registration documentation for Sony plaintiffs' works in suit	X				
23				List of Warner plaintiffs' works in suit		X			
24	Various Bates ranges			Compilation of copyright registration documentation for Warner Bros. plaintiffs' works in suit	X				
25				Medley audio recording of Universal plaintiffs' works	X				
26				Medley audio recording of Sony plaintiffs' works	X				
27				Medley audio recording of Warner Bros. plaintiffs' works	X				
28			4/9/18	Defendant Grande Communications Networks LLC's Answer and Affirmative Defenses to the Original Complaint		X			

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29			7/20/17	Defendant Grande Communications Networks LLC's Objections and Responses to Plaintiffs First Set of Interrogatories		X			
30			7/20/17	Patriot's Objections and Responses to Plaintiffs First Set of Interrogatories		X			
31			8/18/17	Defendant Grande Communications Networks LLC's Amended Objections and Responses to Plaintiffs First Set of Interrogatories		X			
32			8/18/17	Patriot's Amended Objections and Responses to Plaintiffs First Set of Interrogatories		X			
33			3/19/18	Defendant Grande Communications Networks LLC's Objections and Responses to Plaintiffs First Set of Requests for Admission		X			
34			3/19/18	Patriot Objections and Responses to Plaintiffs First Set of Requests for Admission		X			
35			6/6/18	Defendant Grande Communications Networks LLC's Objections and Responses to Plaintiffs Second Set of Requests for Admission		X			
36			6/6/18	Defendant Grande Communications Networks LLC's Objections and Responses to Plaintiffs Third Set of Interrogatories		X			
37			7/6/18	Defendant Grande Communications Networks LLC's Third Amended Objections and Responses to Plaintiffs First Set of Interrogatories (Version 2)		X			
38	RC-D 00573514	RC-D 00573514		Rightscorp notice of infringement	X				
39	RC-D 00889373	RC-D 00889373		Rightscorp notice of infringement	X				
40	RC-D 00482255	RC-D 00482255		Rightscorp notice of infringement	X				
52				Printout: "DMCA Designated Agent Directory" (appears as PX52 in: Horton, 022118)		X			
53	GRANDE0002050	GRANDE0002056		DMCA Policy and Procedure (appears as PX53 in: S. Christianson, 062718; L. Christianson, 062618; Horton, 022118; Horton, 092518; Murphy, 092718 Roeder, 111618; Rohre, 022218)	X				
54			11/24/17	Defendant Grande Communications Networks LLC's Third Amended Objections and Responses to Plaintiffs' First Set of Interrogatories (Version 1) (appears as PX54 in: S. Christianson, 062718; S. Christianson, 062818; L. Christianson, 062618; Horton, 022118)		X			
55	GRANDE0816590	GRANDE0816591	4/14/17	Email re Copyright Infringement - Add on to current process (appears as PX55 in: S. Christianson, 062718; S. Christianson, 062818; Horton, 022118)	X				
56	GRANDE0813928	GRANDE0813932	4/14/17	Email re Review Abuse Process - Following Up - Docs Attached for Review (w/ attachs.) (appears as PX56 in: L. Christianson, 062618; Creel, 061918; Horton, 022118)	X				
57	GRANDE0000155	GRANDE0000155	4/13/17	Spreadsheet titled "DMCA Excessive ViolationsV2 from 1/1/2017 - 1/31/2017" (appears as PX57 in: Horton, 022118)	X				
58	GRANDE0000195	GRANDE0000195	4/13/17	Spreadsheet titled "DMCA Excessive ViolationsV2 from 10/1/2016 - 12/31/2016" (appears as PX58 in: Horton, 022118)	X				
59	GRANDE0000194	GRANDE0000194	4/13/17	Spreadsheet titled "DMCA Excessive ViolationsV2 from 1/1/2017 - 3/31/2017" (appears as PX59 in: Horton, 022118)	X				

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60				Spreadsheet listing "Mail Notes" by account number (appears as PX60 in: S. Christianson, 062718; Roeder 111618; Rohre, 022218; Horton, 022118)		X			
61	GRANDE0000199	GRANDE0000199		Spreadsheet listing internal Grande ticket numbers (appears as PX61 in: S. Christianson, 062718; Horton, 022118)		X			
62	GRANDE0000200	GRANDE0000200		Spreadsheet listing internal Grande ticket numbers (appears as PX62 in: S. Christianson, 062718; Horton, 022118)		X			
63	GRANDE1094438	GRANDE1094438	10/25/10	Email re Systems Report, 10/25/2010 (appears as PX63 in: Horton, 022118)	X				
64	GRANDE0685248	GRANDE0685248	2/14/17	Email re CPNI and DMCA Letters Processed by CSG (appears as PX64 in: Horton, 022118)	X				
65	GRANDE0000144	GRANDE0000144	12/2/10	Email chain re DMCA Letters/Script (appears as PX65 in: Horton, 022118)	X				
66	GRANDE0002727	GRANDE0002727	7/7/13	Email re Email Activity Report - archive.atlanticbb.com [172.28.10.7] (appears as PX66 in: Horton, 022118)	X				
67	GRANDE0181612	GRANDE0181612	5/5/14	Email re Systems Report, 05/05/2014 (appears as PX67 in: L. Christianson, 062618; Horton, 022118)	X				
68	GRANDE0000115	GRANDE0000124	4/1/14	Email chain re [abuse@grandecom.com #699083] Notice of Copyright Infringement, Case #: P62850109 (appears as PX68 in: Horton, 022118; Murphy, 092718; Bloch, 062018)	X				
69	GRANDE2152629	GRANDE2152636	10/14/13	Email re [abuse@grandecom.com #644240] Copyright Infringement - Notice ID #22281070826 (appears as PX69 in: S. Christianson, 062718; Fogle, 062818; Horton, 022118; Murphy, 092718)	X				
70	GRANDE0797517	GRANDE0797517	1/5/16	Email re Systems Report, 01/05/2016 (appears as PX70 in: Horton, 022118)	X				
71	RC-D_00004652	RC-D_00004652		Email infringement notice TC-c4658fcl-5ec8-4d95-al5ed4f6c5a0fb26 (appears as PX71 in: Horton, 022118)	X				
72	RC-D_00020113	RC-D_00020113		Email infringement notice TC-04fb6337-ffa2-456c-82a7-ffa9d8df12fb (appears as PX72 in: Horton, 022118; Horton, 092419)	X				
73	RC-D_01210736	RC-D_01210736		Email infringement notice TCac0af4ff-148a-44ee-94de-485d05dl134b (appears as PX73 in: S. Christianson, 062718; Cohen, 110918; Horton, 022118)	X				
77	GRANDE1718860	GRANDE1718860	5/19/16	Email chain re DMCA - Abuse notifications (appears as PX77 in: Horton, 022118)		X			
78	GRANDE1718865	GRANDE1718865	5/19/16	Email chain re DMCA - Abuse notifications (appears as PX78 in: Horton, 022118)		X			
79	GRANDE0479962	GRANDE0479963	11/16/11	Email re Network Analysis/IP Engineering -Agenda 11.17.11 (appears as PX79 in: Horton, 022118)		X			
80	GRANDE1435499	GRANDE1435499	2/18/16	Email re Rightscorp - DMCA (appears as PX80 in: Horton, 022118)	X				
81	GRANDE1435526	GRANDE1435527	2/18/16	Email chain re Rightscorp - DMCA (appears as PX81 in: Horton, 022118; Horton, 092518)	X				
82	GRANDE1435539	GRANDE1435540	2/18/16	Email chain re Rightscorp - DMCA (appears as PX82 in: Horton, 022118; L. Christianson, 062618)	X				
83	GRANDE1435587	GRANDE1435587	2/18/16	Email re RightsCorp - Customers Network Infringement Ltr (appears as PX83 in: Horton, 022118; Rohre, 022218)	X				
84	GRANDE1438198	GRANDE1438199	2/22/16	Email re Rightscorp (w/ attach.) (appears as PX84 in: Horton, 022118)	X				

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
86	GRANDE0707251	GRANDE0707251	11/9/16	Email re Follow up: DMCA (appears as PX86 in: Fogle, 062818; Horton, 022118)	X				
88	GRANDE0728095	GRANDE0728095	3/31/17	Email chain re Notice of infringement (USA) (appears as PX88 in: Creel, 061918; Horton, 022118)	X				
90	GRANDE0000001	GRANDE0000001	4/11/13	Email re DMCA notices (appears as PX90 in: Horton, 022118; Fogle, 062818; Rohre, 022218)	X				
91	GRANDE0000009	GRANDE0000010	4/11/13	Email chain re DMCA notices (appears as PX91 in: Creel, 061918; L. Christianson, 062618; Fogle, 062818; Horton, 022118; Murphy, 092718; Rohre, 022218)	X				
92	GRANDE0000243	GRANDE0000243	7/5/17	Spreadsheet titled "Specific Account DMCA Violations" (appears as PX92 in: Cohen, 110918; Bloch, 062018; L. Christianson, 062618; S. Christianson, 062718; Horton, 022118)	X				
95	GRANDE0573985	GRANDE0573986	1/27/17	Email re Consolidated Grande Budget - 2017 v2 0 2.xlsx (w/ attach.) (appears as PX95 in: Rohre, 022218)		X			
96	GRANDE0016786	GRANDE0016788	8/28/15	Email re V8 forecast (w/ attach.) (appears as PX96 in: Rohre, 022218)		X			
97	GRANDE0691472	GRANDE0691473	9/14/16 - 9/15/16	Email re Consolidated Grande Budget - 2017.xlsx (w/ attach.) (appears as PX97 in: Rohre, 022218)		X			
98	GRANDE0760489	GRANDE0760491	9/30/16	Email chain re P&L Call (w/ attach.) (appears as PX98 in: Rohre, 022218)		X			
99	GRANDE0946364	GRANDE0946364	8/7/17	Email chain re I'm on a call. (appears as PX99 in: Rohre, 022218)		X			
101			1/2/18	Defendant Grande Communications Networks LLC's Supplemental Responses to Interrogatories 11 and 15 of Plaintiffs' First Set of Interrogatories (appears as PX101 in: Rohre, 022218)		X			
102			2/21/18	Verification for Document Produced in Response to Interrogatories (appears as PX102 in: Rohre, 022218)	X				
103			10/1/13	Grande Internet Acceptable Use Policy (appears as PX103 in: Cohen, 110918; L. Christianson, 062618; S. Christianson, 062718; Rohre, 022218; Horton, 092518; Murphy, 092718)	X				
106	GRANDE1438543	GRANDE1438548	2/22/16	Email chain re Rightscorp (w/ attachs.) (appears as PX106 in: Rohre, 022218)	X				
107	GRANDE1438324	GRANDE1438326	2/18/16- 2/22/16	Email chain re Rightscorp - DMCA (appears as PX107 in: Cohen, 110918; L. Christianson, 062618; Fogle, 062818; Roeder, 111618; Rohre, 022218; Shockley, 092618; Horton, 092518)	X				
108	GRANDE1435464	GRANDE1435470	2/18/16	Email re RightsCorp -- Customers Network Infringement Ltr (w/ attach.)	X				
109	GRANDE1435590	GRANDE1435591	2/18/16	Email re Accepted: Grande RightsCorp Ltr -- Network Infringement (w/ attach.) (appears as PX109 in: Rohre, 022218)	X				
110	GRANDE1438146	GRANDE1438147	2/18/16- 2/22/16	Email re RightsCorp -- Customers Network Infringement Ltr (appears as PX110 in: Rohre, 022218)	X				
112	GRANDE0152576	GRANDE0152576	01/24/14- 02/13/14	Email chain re Baylor Stadium Public Wifi Technology discussion (appears as PX112 in: Rohre, 022218)	X				
113	GRANDE0301966	GRANDE0301967	4/10/14	Email chain re Grande (appears as PX113 in: Rohre, 022218)	X				
114	GRANDE0549431	GRANDE0549431	12/22/15	Email re Patent Infringement liability (appears as PX114 in: Rohre, 022218)		X			
115	GRANDE0000231	GRANDE0000234		End User License Agreement (appears as PX115 in: Rohre, 022218)	X				

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
116	GRANDE0019395	GRANDE0019396	4/24/13	Email re Transition Schedule (w/ attach.) (appears as PX116 in: Murphy, 092718; Roeder, 111618; Rohre, 022218)		X			
118	GRANDE0673185	GRANDE0673186	2/10/17	Email re Monthly Project Report - January (w/ attach.) (appears as PX118 in: Rohre, 022218)		X			
119	GRANDE0949981	GRANDE0949983	8/8/17	Email chain re Radiate Preliminary July Revenues (w/ attach.) (appears as PX119 in: Rohre, 022218)		X			
120	GRANDE0950434	GRANDE0950442	8/8/17	Email chain re Radiate Preliminary July Revenues (w/ attachs.) (appears as PX120 in: Rohre, 022218)		X			
122	GRANDE0000064	GRANDE0000073	3/27/14 - 3/29/14	Email chain re [abuse@grandecom.com #699083] Notice of Copyright Infringement, Case #: P62850109	X				
123	GRANDE0000105	GRANDE0000114	3/27/14 - 4/1/14	Email chain re [abuse@grandecom.com #699083] Notice of Copyright Infringement, Case #: P62850109	X				
125	GRANDE0268417	GRANDE0268417	3/31/14	Email chain re bittorrent issue	X				
126	GRANDE0420072	GRANDE0420074	8/11/10 - 8/12/10	Email chain re DMCA	X				
127	GRANDE0420143	GRANDE0420144	8/11/10 - 8/12/10	Email chain re DMCA	X				
135	GRANDE0000095	GRANDE0000104	3/27/14 - 4/1/14	Email chain re [abuse@grandecom.com #699083] Notice of Copyright Infringement, Case #: P62850109	X				
138	GRANDE0000250	GRANDE0000253	3/31/14	Email chain re bittorrent issue (appears as PX138 in: Creel, 061918)	X				
140	GRANDE0268966	GRANDE0268969	3/31/14	Email chain re bittorrent issue (appears as PX140 in: Fogle, 062818; Murphy, 092718)	X				
143	GRANDE0431365	GRANDE0431365	7/12/17	Email chain re RIAA sues Grande, Screen shot and link		X			
144	GRANDE0431371	GRANDE0431373	7/12/17	Email chain re RIAA sues Grande, Screen shot and link		X			
146	GRANDE0477916	GRANDE0477917	7/26/17	Email chain WFO updates (appears as PX146 in: Creel, 061918)		X			
147	GRANDE0493479	GRANDE0493479	12/18/15	Email re DMCA judgement (appears as PX147 in: S. Christianson, 062818)	X				
148	GRANDE0493486	GRANDE0493486	12/18/15	Email chain re DMCA judgement (appears as PX148 in: Roeder, 111620)	X				
150	GRANDE0707016	GRANDE0707016	10/8/10	Email re DMCA Issue		X			
154	GRANDE1073328	GRANDE1073328	10/8/10	Email re DMCA Issue		X			
155	GRANDE1747439	GRANDE1747439	11/29/14	Email chain re DMCA (appears as PX155 in: Creel, 061918)	X				
156	GRANDE1801114	GRANDE1801114	8/19/16	Email chain re DMCA Calls (appears as PX156 in: Creel, 061918; Shockley, 092618)	X				
157	GRANDE1801130	GRANDE1801131	8/19/16	Email chain re Letter Templates (appears as PX157 in: Shockley, 092618)	X				
158	GRANDE1801206	GRANDE1801213	8/19/16 - 8/20/16	Email chain re Letter Templates (w/ attachs.)		X			
166	GRANDE2518787	GRANDE2518787	12/18/15	Email re DMCA judgement	X				
168	GRANDE2525798	GRANDE2525798	10/8/10	Email chain re DMCA letters (appears as PX168 in: Creel, 061918)		X			
169	GRANDE2539474	GRANDE2539478	3/21/16 - 3/22/16	Email chain re [abuse@grandecom.com #1585298] Notice of Claimed Infringement - Case ID 413176005 (appears as PX169 in: S. Christianson 062718; Murphy, 092718)	X				
170	GRANDE2539497	GRANDE2539498	10/14/10	Email chain re DMCA letters		X			
171	GRANDE2540055	GRANDE2540055	10/25/11 - 11/1/11	Email chain re 866-216-7427		X			
178	GRANDE1435553	GRANDE1435555	2/18/16	Email chain re Rightscorp - DMCA (appears as PX178 in: L. Christianson, 062618)	X				

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179	GRANDE1438523	GRANDE1438523	2/22/16	Email chain re DigitalRightsCorp fixed (appears as PX179 in: L. Christianson, 062618)		X			
180	GRANDE1438522	GRANDE1438522	2/22/16	Email chain re DigitalRightsCorp fixed (appears as PX180 in: L. Christianson, 062618)	X				
181	GRANDE1438524	GRANDE1438524	2/22/16	Email chain re DigitalRightsCorp fixed (appears as PX181 in: L. Christianson, 062618)	X				
182	GRANDE1438552	GRANDE1438553	2/22/16	Email chain re DigitalRightsCorp fixed (appears as PX182 in: L. Christianson, 062618)	X				
183	GRANDE1438527	GRANDE1438527	2/22/16	Email chain re DigitalRightsCorp fixed (appears as PX183 in: L. Christianson, 062618)	X				
184	GRANDE1438606	GRANDE1438606	2/22/16	Email chain re DigitalRightsCorp fixed (appears as PX184 in: L. Christianson, 062618; Horton, 092518)	X				
185	GRANDE1647910	GRANDE1647910	02/23/16 - 02/24/16	Email chain re CPNI and DMCA Data Sent to CSG (appears as PX185 in: L. Christianson, 062618)	X				
186	RIGHTSCORP 00004611	RIGHTSCORP 00004612	8/17/15	Email re Grande Communications Termination request for Round Hill Music (w/ attach.) (appears as PX186 in: S. Christianson, 062718; L. Christianson, 062618)	X				
192	GRANDE1001305	GRANDE1001305	10/31/12	Email chain re DMCA? (appears as PX192 in: S. Christianson, 062718)	X				
193	GRANDE0005896	GRANDE0005899	4/11/13	Email chain re Undeliverable: Testing (w/ attach.) (appears as PX193 in: S. Christianson, 062718)		X			
196			2/4/08	Amended Interim Designation of Agent to Receive Notification of Claimed Infringement (appears as PX196 in: S. Christianson, 062718)		X			
197			5/13/16	Amended Interim Designation of Agent to Receive Notification of Claimed Infringement (appears as PX197 in: S. Christianson, 062718)		X			
199				Grande Test Auto Response to emails received at dmca@grandecom.com (appears as PX199 in: S. Christianson, 062718)		X			
200	GRANDE0874831	GRANDE0874832	5/10/17	Email chain re Monthly Project Report - April (w/ attach.) (appears as PX200 in: S. Christianson, 062818)		X			
201			11/25/15	WSJ Article: "Downloaders Beware? Judge Rules Against Cox in Copyright Battle" (appears as PX201 in: S. Christianson, 062818)	X				
202	GRANDE1715200	GRANDE1715201	5/17/16	Email chain re Grande -- DMCA Policy for Website (appears as PX202 in: S. Christianson, 062818)	X				
203	GRANDE0441935	GRANDE0441935	7/14/17	Email re Your Abuse Notification (appears as PX203 in: S. Christianson, 062818)	X				
204				Grande Communications' High Speed Internet Network Management, Service Performance and Terms of Service (appears as PX204 in: Fogle, 062818)	X				
206	GRANDE2439310	GRANDE2439310	8/23/16	Email re DMCA (appears as PX206 in: Fogle, 062818)	X				
207	GRANDE2482342	GRANDE2482342	9/30/16	Email re Reason for email retention enforcement (appears as PX207 in: Fogle, 062818)	X				
211	GRANDE1722374	GRANDE1722374	5/29/16	Email re DMCA (appears as PX211 in: Horton, 092518)	X				
213			5/13/16	Amended Interim Designation of Agent to Receive Notification of Claimed Infringement (appears as PX213 in: Horton, 092518; Murphy, 092718)	X				

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214	GRANDE1747433	GRANDE1747433	11/29/14	Email Chain re DMCA (appears as PX214 in: Horton, 092518) (appears as PX214 in: Horton, 092518)	X				
216	GRANDE1435496	GRANDE1435497	2/18/16	Email Chain re Rightscorp -- Customers Network Infringement Ltr [redacted] (appears as PX216 in: Horton, 092518)	X				
218	GRANDE2050897	GRANDE2050897	6/17/16	Email chain re RCN sues BMG/Rightscorp (appears as PX218 in: Horton, 092518)		X			
220	GRANDE1438369	GRANDE1438374	2/22/16	Email chain re Rightscorp (appears as PX220 in: Horton, 092518; Shockley, 092618)		X			
227	GRANDE0881829	GRANDE0881831	8/10/12-8/14/12	Email chain re Copyright Letter (w/ attach.) (appears as PX227 in: Shockley, 092618)		X			
228	GRANDE1801214	GRANDE1801215	8/19/16-8/20/16	Email chain re Letter Templates (appears as PX228 in: Shockley, 092618)		X			
230	GRANDE0078376	GRANDE0078377	5/8/13	Email re Bank Meeting Script 5.9 (w/ attach.) (appears as PX230 in: Horton, 092419; Murphy, 092718)	X				
231	GRANDE2202661	GRANDE2202663	12/11/13	Email chain re background detail on Grande marketing slide (w/ attach.) (appears as PX231 in: Murphy, 092718)		X			
232	GRANDE2191742	GRANDE2191743	12/9/13	Email chain re Retention Tools (appears as PX232 in: Murphy, 092718)		X			
233	GRANDE1913405	GRANDE1913405	10/28/11	Email chain re UT v Kansas - Piracy Protection (appears as PX233 in: Murphy, 092718)		X			
234	RIGHTSCORP 00004053	RIGHTSCORP 00004054	4/15/14	Email re Grande Termination Request for BMG Rights Management (US) LLC (w/ attach.) (appears as PX234 in: Murphy, 092718; Roeder, 111621)		X			
240				Webpage printout: "BitTorrent.org - For Users" (appears as PX240 in: Cohen, 110918)		X			
241				Webpage printout: BitTorrent.org BEP (appears as PX241 in: Cohen, 110918)		X			
247			3/21/18	Grande's Responses to Plaintiffs' Second Set of Interrogatories (appears as PX247 in: Feehan, 111518)		X			
248	GRANDE0046655	GRANDE0046655		Grande Retention Training (appears as PX248 in: Feehan, 111518)		X			
250	GRANDE0848107	GRANDE0848108	12/13/16	Email re 2017 rate Adjustment Residential Draft 121216 (w/ attach.) (appears as PX250 in: Feehan, 111518)		X			
252	PATRIOT00014834	PATRIOT00014837	12/10/13-12/11/13	Email Chain re Choice Commercial OCF (w/ attach.) (appears as PX252 in: Feehan, 111518)		X			
253	PATRIOT00084722	PATRIOT00084723	3/6/13	Email re Revised Grande Growth and Base Models (w/ attach.) (appears as PX253 in: Feehan, 111518)		X			
255	GRANDE0949410	GRANDE0949411	8/8/17	Email chain re Radiate Preliminary July Revenues (appears as PX255 in: Feehan, 111518; Roeder, 111619)		X			
256	GRANDE1851981	GRANDE1851982	8/28/17-8/29/17	Email chain re Wire Approval - Grande Copyright \$205k (appears as PX256 in: Feehan, 111518)		X			
257	PATRIOT00274131	PATRIOT00274131	6/25/15	Email re Google Alert - Cox Communications (appears as PX257 in: Roeder, 111618)		X			
258	PATRIOT00145508	PATRIOT00145508	3/30/15	Email re Google Alert - Cox Communications (appears as PX258 in: Roeder, 111618)		X			
259	GRANDE1802115	GRANDE1802119	8/23/16	Email Chain re DMCA (w/ attach.) (appears as PX259 in: Roeder, 111618)		X			
261	PATRIOT00039514	PATRIOT00039526	8/19/16-9/2/16	Email Chain re DMCA Email and Letter Calls Since 08/29/16 (appears as PX261 in: Roeder, 111618)		X			



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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
262	PATRIOT00177841	PATRIOT00177841	8/16/16	Email Chain re Today's DMCA Call (appears as PX262 in: Roeder, 111618)		X			
265			10/23/18	Defendant Grande Communications Networks LLC's Fourth Amended Objections and Responses to Plaintiffs' First Set of Interrogatories (appears as PX265 in: Roeder, 111618)		X			
266	PATRIOT00102228	PATRIOT00102298	12/1/15	Memorandum Opinion in BMG v. Cox (appears as PX266 in: Roeder, 111618)	X				
272	GRANDE2551619			Report: Grande Residential Customer Acquisition Expense Analysis (2017-2018)	X				
273	GRANDE2551668		2/28/11	IRU Agreement between Grande and NextEra FiberNet, LLC		X			
274	GRANDE2551740			RCN CapEx summary	X				
275	GRANDE2551745			Grande and FPL Fibernet (Crown Castle) Capacity IRU details		X			
276	GRANDE2551746		2/28/11	Texas IRU and Purchase Option Agreement between Grande and NextEra FiberNet, LLC		X			
277				Webpage printout: "About Rightscorp" (printed from <a href="https://web.archive.org/web/20171014030441/http://www.rightscorp.com:80/about-rightscorp.html">https://web.archive.org/web/20171014030441/http://www.rightscorp.com:80/about-rightscorp.html</a> )		X			
281				Webpage printout: "About Grande" (from Sept. 12, 2017) (printed from <a href="https://web.archive.org/web/20170912000903/http://mygrande.com/about">https://web.archive.org/web/20170912000903/http://mygrande.com/about</a> )		X			
282				Webpage: "About Grande" (from Jan. 6, 2018) (printed from <a href="https://web.archive.org/web/20180106111851/http://mygrande.com:80/about">https://web.archive.org/web/20180106111851/http://mygrande.com:80/about</a> )		X			
285			9/1/09	Multichannel News article: "Grande Agrees to Sale" (printed from <a href="https://www.multichannel.com/news/grande-agrees-sale-329469">https://www.multichannel.com/news/grande-agrees-sale-329469</a> )		X			
306			5/22/17	RCN.com Article: "RCN, Grande and Wave Broadband Join Forces" (printed from <a href="https://www.rcn.com/hub/about-rcn/newsroom/2017-press-releases/rcn-grande-and-wave-broadband-join-forces/">https://www.rcn.com/hub/about-rcn/newsroom/2017-press-releases/rcn-grande-and-wave-broadband-join-forces/</a> )		X			
307			5/20/14	PR Newswire Article: "Rightscorp Increases Representation to Surpass 1.5 Million Copyrights" (printed from <a href="https://www.prnewswire.com/news-releases/rightscorp-increases-representation-to-surpass-15-million-copyrights-259920441.html">https://www.prnewswire.com/news-releases/rightscorp-increases-representation-to-surpass-15-million-copyrights-259920441.html</a> )		X			
331			10/26/18	Defendant Grande Communications Networks, LLC's Fifth Amended Objections and Responses to Plaintiffs' First Set of Interrogatories (appears as PX331 in: S. Christianson, 021919)		X			
334	GRANDE0268512	GRANDE0268514	3/31/14	Email chain re BitTorrent Issue (appears as PX334 in: Murphy, 092718)		X			
335	GRANDE2551334	GRANDE2551549		Spreadsheet titled "Forwarded Emails to ISPs"		X			
340	GRANDE0000142	GRANDE0000143	11/29/10-12/1/10	Email chain re Question		X			
341	GRANDE0752121	GRANDE0752121	12/7/10	Email re DMCA		X			
342	GRANDE1038922	GRANDE1038923	12/9/10	Email re Updates b4 Vacation		X			
343	GRANDE1962193	GRANDE1962193	11/11/10	Email re DMCA		X			
344	GRANDE2007148	GRANDE2007148	4/21/11	Email Chain re DMCA		X			
345	GRANDE2008106	GRANDE2008106	4/21/11	Email re DMCA		X			
346	GRANDE0025516	GRANDE2551605		Summary of DMCA Notices received by year from 2010-2018 (appears as PX346 in: Horton, 092419)	X				
347	GRANDE0000023	GRANDE0000025	4/11/13	Email chain re DMCA notices	X				



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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
348			8/3/12	Grande Communications High-Speed Internet Service Residential Subscriber Acceptable Use Policy (produced by Grande on 11/24/2017 in conjunction with Third Amended Resps. To Interrogs.)	X				
349				Grande Consolidated - Selected Financial Trends 2014-2017 (produced on 3/21/18 as attachment to Defendant's Responses to Plaintiffs' Second Set of Interrogs.)		X			
350				Printout: RIAA.com, U.S. Sales Database: Revenues by Format (printed from <a href="https://www.riaa.com/u-s-sales-database/">https://www.riaa.com/u-s-sales-database/</a> )		X			
351	GRANDE00000164	GRANDE00000193		Compilation of Infringement Letters		X			
352	GRANDE00000004	GRANDE00000004	4/11/13	Email chain re DMCA Notices		X			
353	GRANDE00000014	GRANDE00000016	4/11/13	Email chain re DMCA Notices		X			
354	GRANDE00000017	GRANDE00000019	4/11/13	Email chain re DMCA Notices		X			
355	GRANDE00000020	GRANDE00000022	4/11/13	Email chain re DMCA Notices		X			
356	GRANDE00000026	GRANDE00000031	3/22/16	Email chain re Notice of Claimed Infringement - Case ID		X			
357	GRANDE00000032	GRANDE00000036	3/22/16	Email chain re Notice of Claimed Infringement - Case ID		X			
358	GRANDE00000037	GRANDE00000042	3/22/16	Email chain re Notice of Claimed Infringement - Case ID		X			
359	GRANDE00000043	GRANDE00000048	3/22/16	Email chain re Notice of Claimed Infringement - Case ID		X			
360	GRANDE00000049	GRANDE00000054	3/22/16	Email chain re Notice of Claimed Infringement - Case ID		X			
361	GRANDE00000077	GRANDE00000079	3/31/16	Email chain re BitTorrent Issue		X			
362	GRANDE00000083	GRANDE00000086	3/31/16	Email chain re BitTorrent Issue		X			
363	GRANDE00000091	GRANDE00000094	3/31/16	Email chain re BitTorrent Issue		X			
364	GRANDE00000125	GRANDE00000135	4/1/14	Email chain re Notice of Claimed Infringement - Case ID		X			
365	GRANDE00000145	GRANDE00000154		Transit/Peering cost summary		X			
366	GRANDE00000158	GRANDE00000158	5/18/17	Spreadsheet: DMCA Excessive ViolationsV2 from 1/1/2017 - 1/31/2017		X			
367	GRANDE00000159	GRANDE00000159	6/1/17	Spreadsheet: DMCA Excessive ViolationsV2 from 1/1/2017 - 1/31/2017		X			
368	GRANDE00000160	GRANDE00000160		Spreadsheet: CSG account list		X			
369	GRANDE00000162	GRANDE00000162		Spreadsheet: CSG account list		X			
370	GRANDE00000163	GRANDE00000163		Spreadsheet: CSG account list		X			
371	GRANDE00000196	GRANDE00000196		Spreadsheet: Letters and Notices		X			
372	GRANDE00000197	GRANDE00000197		Spreadsheet: ticket tracker		X			
373	GRANDE00000198	GRANDE00000198		Spreadsheet: ticket tracker		X			
374	GRANDE00000201	GRANDE00000201		Spreadsheet: ticket tracker		X			
375	GRANDE00000202	GRANDE00000202		Spreadsheet: ticket tracker		X			
376	GRANDE00000203	GRANDE00000203		Spreadsheet: Specific Account DMCA Violations		X			
377	GRANDE00000204	GRANDE00000204		Spreadsheet: Specific Account DMCA Violations		X			
378	GRANDE00000206	GRANDE00000206		Spreadsheet: Specific Account DMCA Violations		X			
379	GRANDE00000207	GRANDE00000207		Spreadsheet: Specific Account DMCA Violations		X			
380	GRANDE00000208	GRANDE00000208		Spreadsheet: Specific Account DMCA Violations		X			
381	GRANDE00000209	GRANDE00000209		Spreadsheet: Specific Account DMCA Violations		X			
382	GRANDE00000210	GRANDE00000210		Spreadsheet: Specific Account DMCA Violations		X			
383	GRANDE00000211	GRANDE00000211		Spreadsheet: Specific Account DMCA Violations		X			
384	GRANDE00000213	GRANDE00000213		Spreadsheet: Specific Account DMCA Violations		X			
385	GRANDE00000215	GRANDE00000215		Spreadsheet: Specific Account DMCA Violations		X			
386	GRANDE00000216	GRANDE00000216		Spreadsheet: Specific Account DMCA Violations		X			

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
387	GRANDE0000219	GRANDE0000219		Spreadsheet: Specific Account DMCA Violations		X			
388	GRANDE0000223	GRANDE0000223		Spreadsheet: Specific Account DMCA Violations		X			
389	GRANDE0000225	GRANDE0000225		Spreadsheet: Specific Account DMCA Violations		X			
390	GRANDE0000226	GRANDE0000226		Spreadsheet: Specific Account DMCA Violations		X			
391	GRANDE0000227	GRANDE0000227		Spreadsheet: Specific Account DMCA Violations		X			
392	GRANDE0000228	GRANDE0000228		Spreadsheet: Specific Account DMCA Violations		X			
393	GRANDE0000229	GRANDE0000229		Spreadsheet: Specific Account DMCA Violations		X			
394	GRANDE0000230	GRANDE0000230		Spreadsheet: Specific Account DMCA Violations		X			
395	GRANDE0000236	GRANDE0000236		Spreadsheet: Ticket names and addresses		X			
396	GRANDE0000237	GRANDE0000237		Spreadsheet: Ticket names and addresses		X			
397	GRANDE0000238	GRANDE0000238		Spreadsheet: list of ticket numbers		X			
398	GRANDE0000240	GRANDE0000240		Spreadsheet: Specific Account DMCA Violations		X			
399	GRANDE0000241	GRANDE0000241		Spreadsheet: list of ticket numbers		X			
400	GRANDE0000242	GRANDE0000242		Spreadsheet: list of ticket numbers		X			
401	GRANDE0000244	GRANDE0000244		Spreadsheet: list of ticket numbers		X			
402	GRANDE0002820	GRANDE0002820	4/8/13	Email re Email Activity Report - archive.atlanticbb.com [172.28.10.7]		X			
403	GRANDE0004039	GRANDE0004042	4/9/13	Email chain re Non Pay Processing Error.docx" (w/ attach.)		X			
404	GRANDE0008078	GRANDE0008078	4/14/13	Email re Email Activity Report - archive.atlanticbb.com [172.28.10.7]		X			
405	GRANDE0021830	GRANDE0021830	9/1/15	Email re CPNI and DMCA Letters Processed by CSG		X			
406	GRANDE0039789	GRANDE0039789	9/3/15	Email re CPNI and DMCA Letters Processed by CSG		X			
407	GRANDE0046702	GRANDE0046702	9/7/15	Email re CPNI and DMCA Data Sent to CSG		X			
408	GRANDE0048062	GRANDE0048062	9/8/15	Email re CPNI and DMCA Data Sent to CSG		X			
409	GRANDE0049424	GRANDE0049424	9/9/15	Email re CPNI and DMCA Letters Processed by CSG		X			
410	GRANDE0049878	GRANDE0049880	9/9/15	Email re FW: August 2015 Revenue Flash (w/ attach.)		X			
411	GRANDE0097879	GRANDE0097880	12/1/15	Email re marketing Oct P&L over/under explanations (w/ attach.)		X			
412	GRANDE0104911	GRANDE0104933	9/21/15	Email re 2015 Walkthrough Narrative Discussions (w/ attach.)		X			
413	GRANDE0131576	GRANDE0131578	4/19/16	Email chain re FW: Preliminary March Results (w/ attach.)		X			
414	GRANDE0131933	GRANDE0131935	4/19/16	Email re Preliminary March Results (w/ attach.)		X			
415	GRANDE0134774	GRANDE0134774	2/3/14	Email re CPNI and DCMA Data Sent to CSG		X			
416	GRANDE0135204	GRANDE0135204	2/4/14	Email re CPNI and DCMA Letters Processed by CSG		X			
417	GRANDE0179874	GRANDE0179875	10/14/15	Email chain re FW: Termination of Employment Policy		X			
418	GRANDE0182618	GRANDE0182619	5/5/14	Email chain re Re: Grande Weekly Report		X			
419	GRANDE0183290	GRANDE0183292	5/5/14	Email chain re Re: Grande Weekly Report (w/ attach.)		X			
420	GRANDE0194408	GRANDE0194409	5/8/14	Email chain re Re: one month promo update		X			
421	GRANDE0222322	GRANDE0222323	3/12/14	Email re 2013 Bonus Message		X			
422	GRANDE0249487	GRANDE0249489	5/28/14	Email chain re: Re: you both around in San marcos this week? (w/ attach.)		X			
423	GRANDE0301949	GRANDE0301950	4/10/14	Email chain re: Re: Grande		X			
424	GRANDE0420135	GRANDE0420137	8/12/10	Email chain re Re: DMCA		X			
425	GRANDE0443293	GRANDE0443297	6/11/14	Email chain re: RE: Grande Weekly Report		X			
426	GRANDE0443439	GRANDE0443442	6/11/14	Email chain re: Re: Grande Weekly Report		X			

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
427	GRANDE0445790	GRANDE0445791	7/17/17	Email re Weekly Customer Changes was executed at 7/17/2017 8:28:03 AM (w/ attach.)		X			
428	GRANDE0493783	GRANDE0493784	7/31/17	Email re Weekly Customer Changes was executed at 7/17/2017 8:28:03 AM (w/ attach.)		X			
429	GRANDE0496635	GRANDE0496636	7/31/17	Email re Grande Consolidated Cable PL YTD (Jun 17).xlsx (w/ attach.)		X			
430	GRANDE0503881	GRANDE0503881	8/2/17	Email re Adding to the general script...		X			
431	GRANDE0542113	GRANDE0542114	8/28/14-8/29/14	Email chain re and this just happened		X			
432	GRANDE0850933	GRANDE0850934	4/21/17	Email chain re Billboard journalist seeks comment on lawsuit		X			
433	GRANDE0850987	GRANDE0850987	4/22/17	Email chain re RIAA		X			
434	GRANDE0851512	GRANDE0851514	4/22/17	Email chain re Fwd: Billboard journalist seeks comment on lawsuit		X			
435	GRANDE0856216	GRANDE0856216	4/25/17	Email re Ryan Thompson		X			
436	GRANDE0992589	GRANDE0992590	10/24/12	Email chain re Re: Suddenlink Contact		X			
437	GRANDE1007300	GRANDE1007300	11/5/12	Email chain re DCMA?		X			
438	GRANDE1021103	GRANDE1021103	11/19/12	Email re Email Activity Report		X			
439	GRANDE1093477	GRANDE1093477	7/11/17	Email re DMCA Violation Notification		X			
440	GRANDE1435500	GRANDE1435500	2/18/16	Email chain re Rightscorp - DMCA		X			
441	GRANDE1435505	GRANDE1435505	2/18/16	Email chain re Rightscorp - DMCA		X			
442	GRANDE1438176	GRANDE1438177	2/22/16	Email chain re RightsCorp -- Customers Network Infringement Ltr		X			
443	GRANDE1438198	GRANDE1438199	2/22/16	Email re Rightscorp (w/ attach.)		X			
444	GRANDE1438393	GRANDE1438395	2/22/16	Email chain re RE: RightsCorp -- Customers Network Infringement Ltr		X			
445	GRANDE1646092	GRANDE1646092	2/23/16	Email chain re CPNI and DMCA Data Sent to CSG		X			
446	GRANDE1715186	GRANDE1715189	5/17/16	Email chain re Grande - DMCA Police for Website (w/ attachs.)		X			
447	GRANDE1718830	GRANDE1718830	5/19/16	Email re DMCA - ABUSE notifications		X			
448	GRANDE1843984	GRANDE1843986	8/22/17	Email chain re RE: legal fees		X			
449	GRANDE1933659	GRANDE1933659	8/11/10	Email re DMCA		X			
450	GRANDE2200018	GRANDE2200019	8/15/16	Email re Important Message from Jim Holanda		X			
451			4/30/17	San Marcos Daily Article: "Grande Communications announces expansion of 1 gigabit internet service"		X			
452			9/12/14	Multichannel.com Article: "Grande Names Matt Rohre Interim President" (printed from <a href="http://www.multichannel.com/news/technology/grande-names-matt-rohre-interim-president/383786">http://www.multichannel.com/news/technology/grande-names-matt-rohre-interim-president/383786</a> )		X			
453			4/25/17	Kxan.com Article: "Grande expands gigabit service to more Austin customers" (printed from <a href="http://kxan.com/2017/04/25/grande-expands-gigabit-service-to-more-austin-customers/">http://kxan.com/2017/04/25/grande-expands-gigabit-service-to-more-austin-customers/</a> )		X			
454			10/1/17	Tab from Oct. Analysis Spreadsheet (Detail) (produced by Grande on 11/24/2017 in conjunction with Third Amended Resps. To Interrogs.)		X			
455			10/1/17	Tab from Oct. Analysis Spreadsheet (Status) (produced by Grande on 11/24/2017 in conjunction with Third Amended Resps. To Interrogs.)		X			
456			10/1/17	Tab from Oct. Analysis Spreadsheet (Summary) (produced by Grande on 11/24/2017 in conjunction with Third Amended Resps. To Interrogs.)		X			
457				Charts from supplemental submission of Robert A. Bardwell (transmitted 9/13/22, Supplement of Robert A. Bardwell)	X				
458				Curriculum Vitae of Robert A. Bardwell (transmitted 7/13/18, Expert Report of Robert A. Bardwell)	X				

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
459				Asserted Copyrights and Documented Infringements (transmitted 9/13/22, Ex. RAB-1, Supplement of Robert A. Bardwell)	X				
460				Grande IP Address Pool (transmitted 7/13/18, Ex. RAB-2, Expert Report of Robert A. Bardwell)	X				
461				Summary of Each IP Address Infringing on Asserted Copyrights (transmitted 9/13/22, Ex. RAB-3, Supplement of Robert A. Bardwell)	X				
462				Consecutive Days with Infringement by IP addresses (transmitted 9/13/22, Ex. RAB-4, Supplement of Robert A. Bardwell)	X				
463				All Infringement Events Related to Chart 1 (transmitted 7/13/18, Ex. RAB-5, Expert Report of Robert A. Bardwell)	X				
464				All Ports Associated with Infringements (transmitted 7/13/18, Ex. RAB-6, Expert Report of Robert A. Bardwell)	X				
465				All Song Profiles Made Available by Subscribers (transmitted 7/13/18, Ex. RAB-7, Expert Report of Robert A. Bardwell)	X				
466				All Infringements Related to Chart 3 (transmitted 7/13/18, Ex. RAB-8, Expert Report of Robert A. Bardwell)	X				
467				Markov Model Formulas (transmitted 7/13/18, Ex. RAB-9, Expert Report of Robert A. Bardwell)	X				
468				All Infringements Related to Chart 5 (transmitted 7/13/18, Ex. RAB-10, Expert Report of Robert A. Bardwell)	X				
469				Markov Model Results by Single Port Suspected Account (transmitted 9/13/22, Ex. RAB-11, Supplement of Robert A. Bardwell)	X				
470				Markov Model Results by Random Port Suspected Account (transmitted 9/13/22, Ex. RAB-12, Supplement of Robert A. Bardwell)	X				
471				Markov Model Results by Non-Random Port Suspected Account (transmitted 9/13/22, Ex. RAB-13, Supplement of Robert A. Bardwell)	X				
472				Markov Model Results by Modified Single Port Suspected Account (transmitted 9/13/22, Ex. RAB-14, Supplement of Robert A. Bardwell)	X				
473				Markov Model Results by Modified Non-Random Port Suspected Account (transmitted 9/13/22, Ex. RAB-15, Supplement of Robert A. Bardwell)	X				
474				All Infringements Recorded for Longest Infringing Verified Account (transmitted 7/13/18, Ex. RAB-16, Expert Report of Robert A. Bardwell)	X				
475				All Infringements Recorded for Most Infringing Verified Account (transmitted 9/13/22, Ex. RAB-17, Supplement of Robert A. Bardwell)	X				
476				All Infringements Related to Verified Account with Most Ports (transmitted 9/13/22, Ex. RAB-18, Supplement of Robert A. Bardwell)	X				
477				Documentation of BitTorrent Users Modifying Ports (transmitted 7/13/18, Ex. RAB-19, Expert Report of Robert A. Bardwell)	X				

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
478				Probability Parameters in the Markov Model (transmitted 7/13/18, Ex. RAB-20, Expert Report of Robert A. Bardwell)	X				
479				Rate Parameters in the Markov Model (transmitted 7/13/18, Ex. RAB-21, Expert Report of Robert A. Bardwell)	X				
480				Sensitivity Analysis of Parameters in Markov Model (transmitted 7/13/18, Ex. RAB-22, Expert Report of Robert A. Bardwell)	X				
481				Grande File Share Parameters (transmitted 7/13/18, Ex. RAB-23, Expert Report of Robert A. Bardwell)	X				
482	RC-D_00000001	RC-D_00000010		RC-D_00000001.htm through RC-D_00000010.htm. (cited in Expert Report of Robert A. Bardwell, 7/13/18 (produced in RC-D001))		X			
483				RC-D001.xlsx (cited in Expert Report of Robert A. Bardwell, 7/13/18 (produced with RC-D001))		X			
484			11/26/11-11/28/11	Academic Article: "User Tracking on the Web via Cross-Browser Fingerprinting" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
485				Academic Article: "Detecting Stealthy P2P Botnets Using Statistical Traffic Fingerprints" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
486			3/28/08	Article: "10 Tips and Tricks for Private Bittorrent Sites" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
487			Nov. 2002	Article: "Observed Structure of Addresses in IP Traffic" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
488			Aug. 2007	Academic Article: "How Dynamic are IP Addresses?" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
489			Jan. 2011	Academic Article: "Technical report: An Estimate of Infringing Use of the Internet" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
490			2009	Academic Article: "On Dominant Characteristics of Residential Broadband Internet Traffic" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
491			4/24/11	Article: "uTorrent – Randomize port at each start" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
492			6/2/15	Forum: "How to have client automatically change port when blocked?" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
493			4/24/11	Forum: "Port Mapping – General Discussion" (cited in Expert Report of Robert A. Bardwell, 7/13/18)		X			
495				Abuse Information from Additional Grande Abuse Notices (transmitted 8/17/18, Ex. RAB-24, Reply of Robert A. Bardwell to the Report of Jonathan E. Kemmerer)		X			
496				Exhibit A.xlsx (produced from Kemmerer workfiles) (cited in Reply of Robert A. Bardwell to the Report of Jonathan E. Kemmerer, 8/17/18)		X			
497				Notices - Actual.xlsx (produced from Kemmerer workfiles) (cited in Reply of Robert A. Bardwell to the Report of Jonathan E. Kemmerer, 8/17/18)		X			

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498	RC-D_00000001	RC-D_00000010		RC-D_00000001.htm through RC-D_00000010.htm. (cited in Reply of Robert A. Bardwell to the Report of Jonathan E. Kemmerer, 8/17/18 (produced in RC-D001))		X			
499				RC-D001.xlsx (cited in Reply of Robert A. Bardwell to the Report of Jonathan E. Kemmerer, 8/17/18 (produced with RC-D001))		X			
501				Frederiksen-Cross Materials Received or Reviewed (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. B)	X				
502				Rightscorp Source Code Files (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. C)	X				
503				Rightscorp Source Code Description (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. D)	X				
504				Rightscorp email re Unauthorized Use of Copyrights (w/ attach.) (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. E)	X				
505				Sample of 2012 Rightscorp Infringement Notice (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. F)	X				
506				Sample of Rightscorp Termination Request (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. G)	X				
507				Torrents Used in Jurislogic 2018 Testing (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. H)	X				
508				Songs Used in Jurislogic 2018 Testing (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. I)	X				
509				Sample Notice from Grande to Subscribers (transmitted 7/27/18, Expert Report of Barbara Frederiksen-Cross, Ex. J)	X				
510	RIGHTSCORP 00004000	RIGHTSCORP 00004000	c.2014	Repeat Infringers Spreadsheet (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
511	RIGHTSCORP 00004001	RIGHTSCORP 00004002	11/17/16	Email re Grande Communications Termination request for BMG Rights Management (US) LLC (w/ attach.) (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
512	RIGHTSCORP 00004002	RIGHTSCORP 00004002	c.2014	Repeat Infringers Spreadsheet (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
513	RIGHTSCORP 00004229	RIGHTSCORP 00004230	11/9/15	Email re Grande Communications Termination request for Imagem USA (w/ attach.) (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
514	RIGHTSCORP 00004230	RIGHTSCORP 00004230	c.2015	Repeat Infringers Spreadsheet (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
515	GRANDE0000156	GRANDE0000156	c.2017	DMCA Excessive Violations Spreadsheet (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
516	GRANDE0000157	GRANDE0000157		Infringement Spreadsheet (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
517	GRANDE0000164	GRANDE0000182		Compilation of Infringement Letters (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
518	GRANDE0000184	GRANDE0000188		Compilation of Infringement Letters (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			

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519	RIGHTSCORP 00003999	RIGHTSCORP0000 4000	11/23/14	Email re Grande Communications Termination request for BMG Rights Management (US) LLC (w/ attach.) (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
521	RC-D_00000001	RC-D_01350635		Hard drive containing Sony-v-Grande RC-D001.zip (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
522	RC-D_00140075	RC-D_00140075		Sample test infringement notice (Ex. E, Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
523	RC-D_00140075	RC-D_00140075		RC-D_00140075 (excerpt) (Ex. E, Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
524	RC-D_00140075	RC-D_00140075		RC-D_00140075.htm (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
525	RC-D_00000009	RC-D_00000009		RC-D_00000009.htm (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
526	RC-D_00010009	RC-D_00010009		RC-D_00010009.htm (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
527	RCD_00020020	RCD_00020020		RCD_00020020.htm (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
528	RC-D_00030022	RC-D_00030022		RC-D_00030022.htm (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
529	RC-D_00600310	RC-D_00600310		RC-D_00600310.htm (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
530	RC-D_01020505	RC-D_01020505		RC-D_01020505.htm (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18 (in production RC-D001))		X			
531				Printout: "ISP Insight: Rightscorp" (from <a href="https://secure.digitalrightscorp.com/isp/List.html">https://secure.digitalrightscorp.com/isp/List.html</a> ) (cited in Expert Report of Barbara Frederiksen-Cross, 7/27/18)		X			
533				Frederiksen-Cross Curriculum Vitae, Qualification, Testimony (transmitted 8/31/18, Expert Rebuttal Report of Barbara Frederiksen-Cross, Ex. A)	X				
534				List of Materials Received or Reviewed (transmitted 8/31/18, Expert Rebuttal Report of Barbara Frederiksen-Cross, Ex. B)	X				
535				Rightscorp Source Code Description (transmitted 8/31/18, Expert Rebuttal Report of Barbara Frederiksen-Cross, Ex. D)	X				
536	GRANDE0000205	GRANDE0000205		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
537	GRANDE0000212	GRANDE0000212		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
538	GRANDE0000214	GRANDE0000214		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
539	GRANDE0000217	GRANDE0000217		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
540	GRANDE0000218	GRANDE0000218		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			



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541	GRANDE0000220	GRANDE0000220		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
542	GRANDE0000221	GRANDE0000221		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
543	GRANDE0000222	GRANDE0000222		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
544	GRANDE0000224	GRANDE0000224		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
545	GRANDE0000239	GRANDE0000239		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
546	GRANDE0000245	GRANDE0000245		Spreadsheet listing Specific Account DMCA Violations (cited in Expert Rebuttal Report of Barbara Frederiksen-Cross, 8/31/18)		X			
548				Frederiksen-Cross Curriculum Vitae, Qualification, Testimony (transmitted 2/3/20, Second Rebuttal Expert Report of Frederiksen-Cross, Ex. A)	X				
549				Materials Received and Reviewed (transmitted 2/3/20, Second Rebuttal Expert Report of Frederiksen-Cross, Ex. B)		X			
550				The BitTorrent Protocol Specification from BitTorrent.org (transmitted 2/3/20, Second Rebuttal Expert Report of Frederiksen-Cross, Ex. C)		X			
551				Sample of BitTorrent Traffic (transmitted 2/3/20, Second Rebuttal Expert Report of Frederiksen-Cross, Ex. D)		X			
552				BitTorrent Control Packets - Test with Default uTorrent Configuration (transmitted 2/3/20, Second Rebuttal Expert Report of Frederiksen-Cross, Ex. E)		X			
553				BitTorrent Control Packets - Test with "Parasite" uTorrent Configuration (transmitted 2/3/20, Second Rebuttal Expert Report of Frederiksen-Cross, Ex. F)		X			
554				Updated Curriculum Vitae of William H. Lehr	X				
555				Curriculum Vitae of William H. Lehr	X				
556				U.S. Sound Recording Industry Revenue by Source 2010 - 2017 (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 1)	X				
557				Summary of Findings on the Impact of Illegal File Sharing on the Music Industry (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 2)	X				
558				Summary of Findings on the Impact of Streaming On Piracy in the Music Industry (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 3)	X				
559				Grande Residential Revenues and Subscriber Counts (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 4)	X				
560				Grande Consolidated Revenue and Profit (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 5)	X				

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561				Average Monthly ARPU - High-Speed Internet Service (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 6)	X				
562				Average Monthly ARPU - Video Service (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 7)	X				
563				Average Monthly ARPU - Voice Service (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 8)	X				
564			c.2016	2016 Monthly Blended Bundle ARPU for Grande High-Speed Internet Residential Subscribers (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 9)	X				
565			c.2016	2016 Monthly Blended Bundle Gross Margin for Grande High-Speed Internet Residential Subscribers (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 10)	X				
566				Subscriber Lifetime Value: Gross Margin Methodology for Grande High-Speed Internet Residential Subscribers (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 11)	X				
567				Subscriber Value Implied by Cable Industry Transactions (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 12)	X				
568				Estimated Value to Grande of Retaining Residential Subscribers with Multiple Instances of Infringement (transmitted 7/13/18, Expert Report of William H. Lehr, Ex. 13)	X				
569	RIAA_00059812	RIAA_00059812		"U.S. Recorded Music Revenues by Format," Recording Industry Association of America (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
570	GRANDE0078377	GRANDE0078377		Grande Products and Services (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
571	GRANDE0098809	GRANDE0098809	9/18/15	Email re Training deck Retention (w/ attach.) (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
572	GRANDE0135876	GRANDE0135877	2/3/14-2/4/14	Email re copycat (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
573	GRANDE0509709	GRANDE0509709	1/31/11-2/1/11	Email chain re Employee Memo/Summary (w/ attachs.) (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
574	GRANDE0618690	GRANDE0618690	9/1/16-9/2/16	Email chain re Grande C-SAT Report (w/ attach.) (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
575	GRANDE0662924	GRANDE0662924	9/9/14	Email chain re Grande in the News (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
576	GRANDE0863082	GRANDE0863082		Grande Finances Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
577	GRANDE0949411	GRANDE0949411		Grande Finances Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
578	GRANDE0980961	GRANDE0980965	10/3/12 - 10/11/12	Email chain re product combination church analysis (w/ attach.) (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
579	GRANDE1064140	GRANDE1064140		Grande Competitive Update Powerpoint, Feb. 2017 (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			

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580	GRANDE1374400	GRANDE1374400		Grande Finances Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
581	GRANDE1715401	GRANDE1715401		Grande Finances Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
582	GRANDE1840451	GRANDE1840451		Grande Austin Market Doc. (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
583	GRANDE1871837	GRANDE1871837		Grande 2011 Financial Tracking Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
584	GRANDE2551606	GRANDE2551606		Grande Finances Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
585	PATRIOT00044572	PATRIOT00044572		Grande 2013 Budget Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
586	PATRIOT00152074	PATRIOT00152074		RCN Cable Finances Spreadsheet (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
587			12/13/15	Article: "Digital Broadband Content: Music" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
588			3/31/16	2016 Valuation Handbook: Industry Cost of Capital (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
589			4/23/14	Academic Article: "Piracy and Music Sales: The Effects of An Anti-Piracy Law" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
590			c.2016	Academic Article: "Digital Music Consumption on the Internet: Evidence from Clickstream Data" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
591			c.2017	Academic Article: "Let The Music Play? Free Streaming and its Effects on Digital Music Consumption" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
592			c.2017	Academic Article: "As Streaming Reaches Flood Stage: Does Spotify Stimulate or Depress Music Sales?" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
593			c.June 2017	Academic Article: "Streaming or Stealing? The complementary features between music streaming and music piracy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
594			8/25/15	Academic Article: "Copyright Enforcement in the Digital Age: Empirical Economic Evidence and Conclusions" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
595			c.Feb. 2017	Academic Article: "Copyright Enforcement in the Digital Age: Empirical Evidence and Policy Implications" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
596			c.Sept. 2014	Academic Article: "The Effect of Graduated Response Anti-Piracy Laws on Music Sales: Evidence from An Event Study in France" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			

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597			c. 2015	Academic Article: "Music Piracy: Bad for Record Sales but Good For The iPod?" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
598			c. April 2006	Academic Article: "File Sharing: Creative Destruction or Just Plain Destruction?" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
599			4/6/18	Academic Article: "The Impact of Internet Piracy on Sales and Revenues of Copyright Owners" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
600			c. 2014	Academic Article: "The Impacts of Internet Piracy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
601			c. 2011	Academic Article: "Quantifying Global Transfers of Copyrighted Content Using BitTorrent" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
602			c. 2006	Academic Article: "The Impact of Digital File Sharing on the Music Industry: An Empirical Analysis" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
603			c. 2016	Academic Article: "The Effect of File Sharing on Record Sales, Revisited" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
604			c. April 2006	Academic Article: "Piracy on the High C's: Music Downloading, Sales Displacement, and Social Welfare in a Sample of College Students" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
605			c. 2010	Academic Article: "Music File Sharing and Sales Displacement in the iTunes Era" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
606			c. April 2006	Academic Article: "Measuring the Effect of File Sharing on Music Purchases" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
607			c. 2011	Textbook: "Accounting for Decision Making and Control" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
608			6/18/12	Article: "BC Partners, CPP Investment Board, and Management Agree to Acquire Suddenlink for \$6.6 Billion" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
609			c. Oct. 2014	Article: "Broadband Cable Financial Databook, 2015 Edition" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
610			c. Dec. 2010	Article: "Broadband decisions: What drives consumers to switch – or stick with – their broadband Internet provider" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
611				Spreadsheet: Cable System Sales Summary, December (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
612			6/14/10	Article: "Cablevision Announces Acquisition of Bresnan Communications" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			

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613			7/1/13	Article: "Charter Completes Its Acquisition of Optimum West from Cablevision" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
614			3/31/15	Article: "Charter to Acquire Bright House Networks for \$10.4 Billion" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
615			6/6/17	Article: "Cisco Visual Networking Index: Forecast and Methodology, 2016-2021" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
616			c. Aug. 2004	Article: "Copyright Issues in Digital Media" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
617			c. July 2013	Article: "Copyright Policy, Creativity, and Innovation in the Digital Economy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
618			5/4/16	Article: "FCC approves Altice purchase of Cablevision Systems" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
619			1/8/17	Article: "GTCR Announces Sale Of Rural Broadband Investments To Cable One" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
620			4/12/10	Article: "Intellectual Property: Observations on Efforts to Quantify the Economic Effects of Counterfeit and Pirated Goods" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
621			8/4/11	Article: "Mediacom Communications to Build New Corporate Headquarters in Orange County, New York" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
622			c.2016	Article: "Music Consumer Insight Report 2016" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
623			c. Sept. 2017	Article: "Music Consumer Insight Report" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
624			c. Nov. 2017	Spreadsheet: "Public MSOs' revenues and EBITDA summary, Q3 2016 - Q3 2017" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
625			c. March 2017	Article: "Public MSOs' revenues and operating cash flows summary, 2014-2016" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
626			8/10/10	Article: "RCN Reports Second Quarter 2010 Results" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
627			1/24/18	Article: "RCN/Grande Closes Acquisition of Wave Broadband" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
628			c. Aug. 2012	Article: "The Impact of Intellectual Property Theft on the Economy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
629			2/26/12	Article: "The NPD Group: Music File Sharing Declined Significantly in 2012" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			

**PLAINTIFFS' SECOND AMENDED EXHIBIT LIST**  
*UMG RECORDINGS, INC., et al., v. GRANDE COMMUNICATIONS NETWORKS LLC*  
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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
630				Article: "Time Warner Cable Inc. acquires Insight Communications Company Inc." (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
631			4/12/18	Spreadsheet: "Transactions Overview" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
632			4/18/12	Article: "WideOpenWest to buy Knology for \$1.5B" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
633			4/17/17	Article: "The rise of music streaming services hasn't killed music piracy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
634			4/5/18	Article: "The Best VPNs for BitTorrent" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
635			4/1/16	Article: "Illegal streaming is dominating online piracy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
636			12/21/15	Article: "Altice Closes Suddenlink Deal" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
637			5/18/16	Article: "Charter completes purchase of Time Warner Cable, Bright House" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
638			9/3/14	Article: "Factors impacting cable churn in 2014 and beyond" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
639			3/17/15	Article: "HSD eclipses video in revenue gains in 2014, but video ARPU still undisputed leader" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
640			8/11/17	Article: "What Exactly Is Stream-Ripping, The New Way People Are Stealing Music" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
641			c.2012	Article: "Customer Centricity in the Telecommunications Industry" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
642			c. Sept. 2013	Article: "Sizing the Piracy Universe" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
643			11/13/12	Article: "Cord-Cutting: Cable's Offer You Can't Refuse" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
644			c. Aug. 2007	Article: "The True Cost of Sound Recording Piracy to the U.S. Economy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
645			2/16/16	Article: "Piracy and the Supply of New Creative Works" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
646			2/2/16	Article: "The Truth About Piracy" (transmitted 7/13/18, cited in Expert Report of William H. Lehr)		X			
648			c.2015	Textbook: "Corporate Finance" (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
649			1/15/18	Article: "2017 Streaming Price Bible! Spotify per Stream Rates Drop 9%, Apple Music Gains Marketshare of Both Plays and Overall Revenue," (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
650			c.2017	Article: "2017 Vivendi Annual Report" (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
651			c. Jan. 2011	Article: "Technical report: An Estimate of Infringing Use of the Internet" (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
652			c.2018	Article: "IFPI - What We Do" (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
653			c.2018	Article: "RIAA - What We Do" (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
654			1/21/16	Article: "Netflix isn't just hurting pay TV, it's also slowly killing online piracy" (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
655	GRANDE0617219	GRANDE0617219	Sept., 2016	Grande Competitive Update (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
656	GRANDE1064811	GRANDE1064811	June, 2017	Grande Competitive Update (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
657			1/15/18	Spreadsheet: "Per Stream Royalty Rates" (transmitted 8/17/18, cited in Expert Reply Report of William H. Lehr)		X			
659				Curriculum Vitae of Terrence P. McGarty	X				
660				Spreadsheet: DMCA Notices Entered into Abuse Database, Instances of Infringement Identified, and Letters Sent to Grande Subscribers (transmitted 7/13/18, Expert Report of Terrence P. McGarty, Ex. 1)	X				
661				Grande FCC Network Management Disclosure (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
662	GRANDE0000011	GRANDE0000013	4/11/13	Email chain re DMCA notices (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
663	GRANDE0000074	GRANDE0000074	3/31/13	Email chain including M. Murphy and R. Creel (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
664	GRANDE0000075	GRANDE0000076	3/31/13	Email chain including M. Murphy, R. Creel, and W. Hardeman (w/ attach.) (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
665	GRANDE0000080	GRANDE0000082	3/31/13	Email chain including M. Murphy, R. Creel, and W. Hardeman (w/ attach.) (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
666	GRANDE0000087	GRANDE0000090	3/31/13	Email chain including M. Murphy, R. Creel, and W. Hardeman (w/ attach.) (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
667	GRANDE0000161	GRANDE0000161		Excel re Infringement Letters (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
668	GRANDE0000188	GRANDE0000189	6/20/17	Email from Grande to M. Sooby (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
669	GRANDE0540116	GRANDE0540116	5/5/11	Email re DMCA (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			



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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
670	GRANDE1438279	GRANDE1438280	2/18/16	Email chain re Rightscorp - DMCA (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
671	GRANDE1438371	GRANDE1438372		Grande Drafted Letter (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
672	GRANDE1438373	GRANDE1438374		Grande Drafted Letter (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
673	GRANDE2049666	GRANDE2049666		Grande Management Team Powerpoint (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
674	PATRIOT00047600	PATRIOT00047601	8/16/16	Email chain re Today's DMCA call (cited in Expert Report of Terrence P. McGarty, 7/13/18)		X			
675			c.2004	Book: "Modern Cable Television Technology: Video, Voice, and Data Communications" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
676			c.2014	Book: "Network Security Through Data Analysis" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
677			c.2013	Academic Article: "Standards for Determining When ISPs Have Fallen Out of Section 512(A)" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
678			c.2013	Academic Article: "The Politics of Deep Packet Inspection: What Drives Surveillance by Internet Service Providers?" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
679			c.2015	Academic Article: "Cable Networks, Services, and Management" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
680			c.April 2006	Academic Article: "Measuring the Effect of File Sharing on Music Purchases" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
681			c.June 2003	Academic Article: "Detection and Classification of Peer-to-Peer Traffic: A Survey" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
682				Academic Article: "The Internet's Coming of Age" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
683			4/16/18	Article: "1 Gig Internet Speed Comparison" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
684			c.2018	Article: "About Grande" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
685			9/3/09	Article: "ABRY Partners Buying Grande Communications" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
686			c.June 2012	Article: "An Overview of the IETF Network Management Standards" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
687			2/12/14	Article: "Cableco Gigabit Broadband Plans are Not HFC-Based" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
688			12/17/15	Article: "Cox Communications Found Liable for Users' Downloading" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
689			c.2018	Article: "Grande: FCC Network Management Disclosure" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
690				Article: "History of Cable" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
691				Article: "How fast is Fiber Optic Internet?" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
692				"Management Services Agreement," Atlantic Broadband Finance, LLC (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
693				Grande Article: "Popular Deals" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
694			5/22/17	Article: "RCN, Grande and Wave Broadband Join Forces" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
695				Article: "The Basics of BitTorrent" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
696			2/1/17	Article: "TPG Capital Completes RCN and Grande Acquisitions" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
697			8/15/16	Article: "TPG Capital to Acquire RCN and Grande Communications" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
698				Grande Article: "Use Your Own Modem" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
699			2/1/15	Article: "Grande beats AT&T, Google Fiber with 1 Gbps launch in San Antonio" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
700			11/20/14	Article: "Grande extends 1Gbps service into more parts of Austin" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
701				CSG International Web Homepage (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
702			3/5/10	Article: "RCN to Sell Itself for \$1.2 Billion" (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
703				OSG Billing Services Webpage (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
704	GRANDE0019396	GRANDE0019396		Spreadsheet: Grande High Level Transition Services Planning (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
705	GRANDE0813932	GRANDE0813932		Financial Spreadsheet (transmitted 7/13/18, Expert Report of Terrence P. McGarty)		X			
706				Declaration of Alasdair in Support of Plaintiffs' Opposition to Defendant Grande Communications Networks LLC's Motion for Summary Judgment and Plaintiffs' Cross-Motion for Summary Judgment		X			
707				Decl. of Alasdair McMullan, Ex. A-1: List of UMG plaintiffs' works in suit		X			
708				Declaration of Wade Leak in Support of Plaintiffs' Opposition to Defendant Grande Communications Networks LLC's Motion for Summary Judgment and Plaintiffs' Cross-Motion for Summary Judgment		X			
709				Decl. of Wade Leak, Ex. B-1: List of Sony plaintiffs' works in suit		X			

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PX	Beg Bates	End Bates	Date	Description	Expects to Offer	May Offer	Admitted	Date Admitted	Obj(s)
710			9/14/18	Declaration of Steven Poltorak in Support of Plaintiffs' Opposition to Defendant Grande Communications Networks LLC's Motion for Summary Judgment and Plaintiffs' Cross-Motion for Summary Judgment		X			
711				Decl. of Steven Poltorak, Ex. C-1: List of Warner Bros. plaintiffs' works in suit		X			
712	GRANDE2170115	GRANDE2170116	8/2/16	Email from Keith Taub to Matt Rohre - Voluntary Churn with attachment Voluntary Churn Details.xlsx	X				
713			6/15/09	FCC Filing 6520222722 (Application - ABRY)		X			
714			6/24/09	FCC Filing 6520223267 (Public Notice of Application - ABRY)		X			
715			7/20/09	FCC Filing 7019934096 (Public Notice of Auth Granted - ABRY)		X			
716			8/12/09	FCC Filing 7020035589 (Letter of Compliance - ABRY)		X			
717			12/21/16	FCC Filing DA-16-1070A1 (Public Notice of Application Filed - TPG)		X			
718			11/16/16	FCC Filing DA-16-1283A1 (Public Notice of Application Granted - TPG)		X			
719			9/1/16	FCC Filing Section 214 Application 9-1-16 FINAL DRAFT - TPG		X			
720			12/2/20	FCC Filing - Final FCC Section 214 application		X			
721			9/17/21	FCC Filing 13327713 (Notice of Transfer of Control)		X			
722			1/6/21	FCC Filing - Astound Reply Comments		X			
723			12/3/20	FCC Filing 353129530 (Joint Application)		X			
724			12/16/20	FCC Filing DA-20-1493A1 (Public Notice of Application)		X			
725			4/8/21	FCC Filing DA-21-409A1 (Public Notice of Application)		X			
726			5/28/21	FCC Filing DA-21-634A1 (Notice of Applications Granted)		X			
727			9/17/21	FCC Filing - Astound_214 Stonepeak Consumation Notice		X			
728			11/1/20	Article: "Stonepeak Announces Agreement to Acquire Astound" Broadband from TPG for \$8.1 Billion"		X			
729			8/19/21	Article: "Stonepeak Closes Acquisition of Astound Broadband"		X			
730			9/8/20	Article: "RCN, Grande & Wave reach 1 million customers milestone"		X			
731			9/18/20	Article: "RCN, Grande Communications and Astound Broadband Conclude Acquisition of EnTouch Systems"		X			
732			1/19/21	Article: "\$8.1B deal sends cable M&A dollar volume to 5-year high in 2020" (cited in 9/13/22 Supplemental Expert Report of William H. Lehr)		X			